



Product Specification

Chemical Name: Bis(ethylene)2,4-pentanedianatoiridium(I)

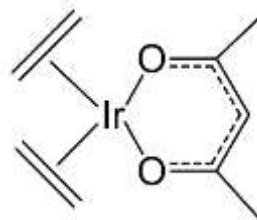
CMI Product Code: 3043

CAS Number: 52654-27-0

Formula: $\text{Ir}(\text{C}_2\text{H}_4)_2(\text{C}_5\text{H}_7\text{O}_2)$

Formula Weight: 347.43 g/mol

Theoretical Ir %: 55.33%



PARAMETER

SPECIFICATION

Ir Assay

$55.33 \pm 0.5\%$

Chemical Purity

$\geq 98\%$ (based on carbon %)

Microanalysis

Carbon: $31.1 \pm 0.6\%$

Infrared Spectrum

Conforms to structure

Appearance

Orange crystalline solid

Storage

Store under an inert atmosphere in a tightly sealed amber glass bottle in a cool dry location. Recommended storage temperature $\leq 4\text{ }^\circ\text{C}$.

Reviewing Chemist: Dr. Bryan Frauhiger, Ph.D., Organometallic Technical Director: BEF

Specification Approval: Dr. Ernest Addo, Ph.D., Director of Quality & Analytical Testing: EA

Specification Revision Date: November 22th, 2016

Revision Level: 0

Colonial Metals warrants, that at the time of product release this product conformed to the information contained on this specification sheet. Purchaser must determine the suitability of the product for its particular use.

Colonial Metals, Inc. 505 Blue Ball Rd. Bldg. 20 Triumph Industrial Park Elkton, MD 21921 USA
Website: www.colonialmetals.com, Telephone: (410)-398-7200, Facsimile: (410) 398-2918